

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10953 (1984): Catheter Uterine, Single Channel (Nelson Type) [MHD 17: Health Informatics]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

SPECIFICATION FOR
CATHETER UTERINE, SINGLE CHANNEL
(NELSON TYPE)

1. **Scope** — Covers requirements for catheter uterine, single channel used in veterinary surgery.
2. **Shape and Dimensions** — As shown in Fig. 1.
 - 2.1 The thickness of stainless steel sheet from which tube (catheter) is manufactured shall be 2 mm, *Min.*
 - 2.2 **Tolerance** — The deviations shall conform to coarse class of IS : 2102-1969 'Allowable deviations for dimensions without specified tolerances (first revision)'.
3. **Material**
 - 3.1 **Uterine Tube** — Stainless steel conforming to Designation 04Cr18Ni10 or 07Cr18Ni9 of IS : 6911-1972 'Specification for stainless steel plate sheet and strip'.
 - 3.2 **Stilette** — Hard drawn stainless steel wire.
4. **Requirements** — All surfaces shall be free from pits, dents, burrs, scales and other surface defects. The anterior end of the tube and stilette shall be round and smooth. The edges of the eyes shall be even and shall not be sharp. The edges at the anterior end shall be oval in shape. Stilette, supplied one for each catheter, shall be smooth, bright and free from nicks and shall slide smoothly into the catheter. The handle shall be securely fitted to the catheter tube. The brazing or silver soldering for handle joints shall be neatly finished. The stainless steel parts shall be passivated and polished bright. The inside end of the lip anterior to the eyes shall be filled in with lead.
5. **Hardness** — The stainless steel components shall have a hardness of 400 to 460 HV. The hardness shall be tested in accordance with IS : 1501 - 1968 'Method for Vickers hardness test for steel (first revision)'.
6. **Bend Test** — The tube shall be gripped at each end. An attempt shall be made to straighten it by the application of moderate force. On release of the force the tube shall not show a permanent set.
 - 6.1 **Corrosion Resistance Test (Copper Sulphate Test)** — The sample shall be scrubbed with soap and warm water then rinsed in hot water and dipped in 95 percent ethyl alcohol solution. The sample shall be dried and immersed in copper sulphate solution at room temperature for 6 minutes and then washed off with fresh water or wet cotton wool.

The copper sulphate solution shall be prepared as follows:

Copper sulphate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)	4.0 g
Sulphuric acid (H_2SO_4) (sp gr 1.84)	10.0 g
Water (H_2O)	90.0 ml
- 6.1.1 No red stains or spots shall be allowed but dulling of the polished surface may be permitted.
7. **Marking** — The uterine tube and stilette shall be legibly and indelibly marked with the manufacturer's name or initials, or recognized trade-mark and the words 'stainless steel' or letters 'SS'.
 - 7.1 **ISI Certification Marking** — Details available with the Indian Standards Institution.
8. **Packing** — As agreed to between the purchaser and the supplier.

Adopted 23 July 1984

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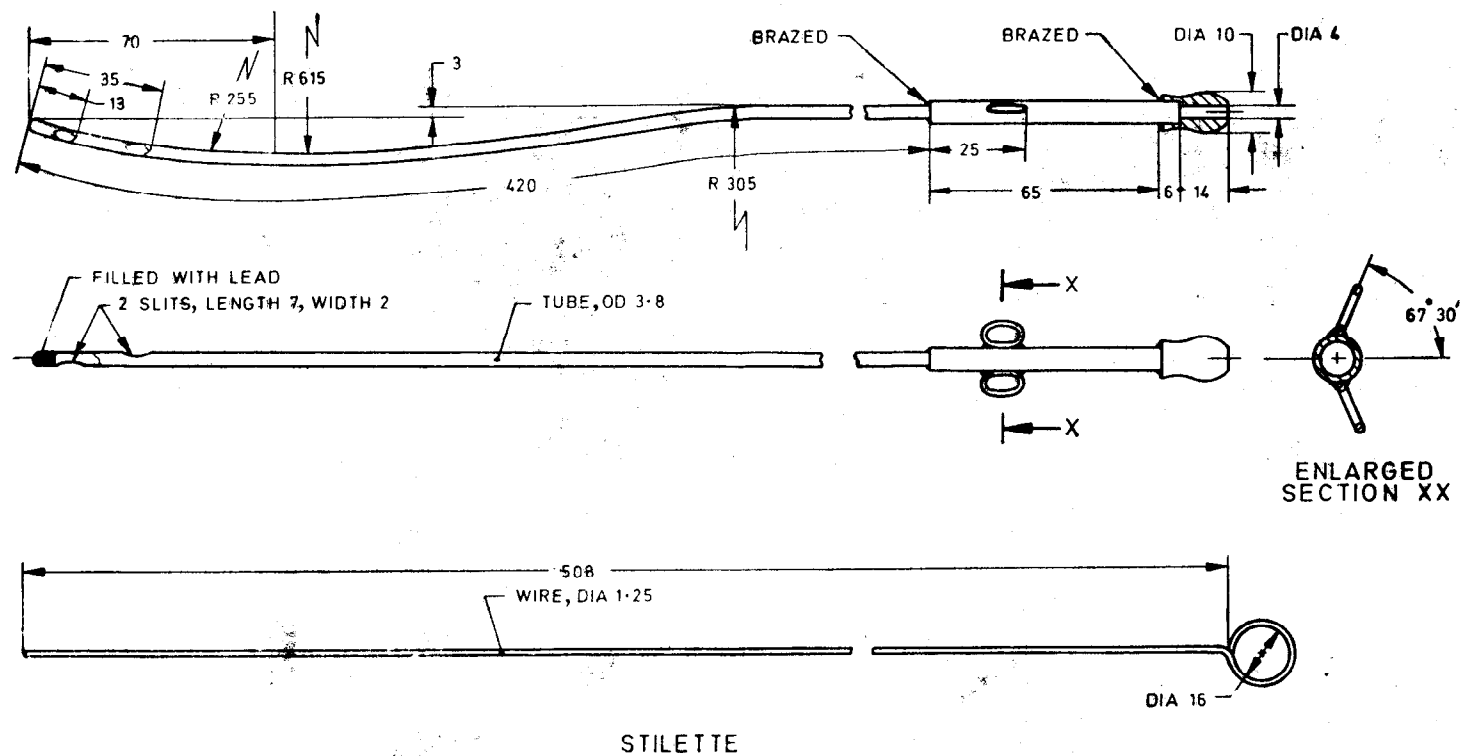


FIG. 1 CATHETER UTERINE. SINGLE CHANNEL (NELSON TYPE)

STILETTE